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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/280,567BDATE: 03/15/2000
TIME: 08:57:16

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This Raw Listing contains the General Information
Section and up to first 5 pages.

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1 <110> APPLICANT: BUMOL, Thomas Frank
2 DOU, Shenshen
3 GLASEBROOK, Andrew Lawrence
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16 ZUCKERMAN, Steven Harold
17 <120> TITLE OF INVENTION: THERAPEUTIC APPLICATIONS OF mFLINT POLYPEPTIDES
18 <130> FILE REFERENCE: 040902/0136
19 <140> CURRENT APPLICATION NUMBER: US/09/280,567B
20 <141> CURRENT FILING DATE: 1999-03-30
21 <150> EARLIER APPLICATION NUMBER: US 60/113,407
22 <151> EARLIER FILING DATE: 1998-12-22
23 <150> EARLIER APPLICATION NUMBER: US 60/112,933
24 <151> EARLIER FILING DATE: 1998-12-18
25 <150> EARLIER APPLICATION NUMBER: US 60/112,703
26 <151> EARLIER FILING DATE: 1998-12-18
27 <150> EARLIER APPLICATION NUMBER: US 60/112,577
28 <151> EARLIER FILING DATE: 1998-12-17
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30 <151> EARLIER FILING DATE: 1998-09-09
31 <150> EARLIER APPLICATION NUMBER: US 60/086,074
32 <151> EARLIER FILING DATE: 1998-05-20
33 <150> EARLIER APPLICATION NUMBER: US 60/079,856
34 <151> EARLIER FILING DATE: 1998-03-30
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42 <221> NAME/KEY: CDS
43 <222> LOCATION: (1)..(900)
44 <400> SEQUENCE: 1

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49	Ala	Leu	Pro	Ala	Leu	Leu	Pro	Val	Pro	Ala	Val	Arg	Gly	Val	Ala	Glu	
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52	Thr	Pro	Thr	Tyr	Pro	Trp	Arg	Asp	Ala	Glu	Thr	Gly	Glu	Arg	Leu	Val	
53			35					40					45				
54	tgc	gcc	cag	tgc	ccc	cca	ggc	acc	ttt	gtg	cag	cgg	ccg	tgc	cgc	cga	192
55	Cys	Ala	Gln	Cys	Pro	Pro	Gly	Thr	Phe	Val	Gln	Arg	Pro	Cys	Arg	Arg	
56		50					55					60					
57	gac	agc	ccc	acg	acg	tgt	ggc	ccg	tgt	cca	ccg	cgc	cac	tac	acg	cag	240
58	Asp	Ser	Pro	Thr	Thr	Cys	Gly	Pro	Cys	Pro	Pro	Arg	His	Tyr	Thr	Gln	
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64	Glu	Arg	Glu	Glu	Glu	Ala	Arg	Ala	Cys	His	Ala	Thr	His	Asn	Arg	Ala	
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66	tgc	cgc	tgc	cgc	acc	ggc	ttc	ttc	gcg	cac	gct	ggt	ttc	tgc	ttg	gag	384
67	Cys	Arg	Cys	Arg	Thr	Gly	Phe	Phe	Ala	His	Ala	Gly	Phe	Cys	Leu	Glu	
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69	cac	gca	tcg	tgt	cca	cct	ggt	gcc	ggc	gtg	att	gcc	ccg	ggc	acc	ccc	432
70	His	Ala	Ser	Cys	Pro	Pro	Gly	Ala	Gly	Val	Ile	Ala	Pro	Gly	Thr	Pro	
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72	agc	cag	aac	acg	cag	tgc	cag	ccg	tgc	ccc	cca	ggc	acc	ttc	tca	gcc	480
73	Ser	Gln	Asn	Thr	Gln	Cys	Gln	Pro	Cys	Pro	Pro	Gly	Thr	Phe	Ser	Ala	
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79	Leu	Gly	Leu	Ala	Leu	Asn	Val	Pro	Gly	Ser	Ser	Ser	His	Asp	Thr	Leu	
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85	Glu	Glu	Cys	Glu	Arg	Ala	Val	Ile	Asp	Phe	Val	Ala	Phe	Gln	Asp	Ile	
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87	tcc	atc	aag	agg	ctg	cag	cgg	ctg	ctg	cag	gcc	ctc	gag	gcc	ccg	gag	720
88	Ser	Ile	Lys	Arg	Leu	Gln	Arg	Leu	Leu	Gln	Ala	Leu	Glu	Ala	Pro	Glu	
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91	Gly	Trp	Gly	Pro	Thr	Pro	Arg	Ala	Gly	Arg	Ala	Ala	Leu	Gln	Leu	Lys	
92					245					250					255		
93	ctg	cgt	cgg	cgg	ctc	acg	gag	ctc	ctg	ggg	gcg	cag	gac	ggg	gcg	ctg	816
94	Leu	Arg	Arg	Arg	Leu	Thr	Glu	Leu	Leu	Gly	Ala	Gln	Asp	Gly	Ala	Leu	

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98          275          280          285
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112         35          40          45
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114         50          55          60
115     Asp Ser Pro Thr Thr Cys Gly Pro Cys Pro Pro Arg His Tyr Thr Gln
116         65          70          75          80
117     Phe Trp Asn Tyr Leu Glu Arg Cys Arg Tyr Cys Asn Val Leu Cys Gly
118         85          90          95
119     Glu Arg Glu Glu Glu Ala Arg Ala Cys His Ala Thr His Asn Arg Ala
120         100         105         110
121     Cys Arg Cys Arg Thr Gly Phe Phe Ala His Ala Gly Phe Cys Leu Glu
122         115         120         125
123     His Ala Ser Cys Pro Pro Gly Ala Gly Val Ile Ala Pro Gly Thr Pro
124         130         135         140
125     Ser Gln Asn Thr Gln Cys Gln Pro Cys Pro Pro Gly Thr Phe Ser Ala
126         145         150         155         160
127     Ser Ser Ser Ser Ser Glu Gln Cys Gln Pro His Arg Asn Cys Thr Ala
128         165         170         175
129     Leu Gly Leu Ala Leu Asn Val Pro Gly Ser Ser Ser His Asp Thr Leu
130         180         185         190
131     Cys Thr Ser Cys Thr Gly Phe Pro Leu Ser Thr Arg Val Pro Gly Ala
132         195         200         205
133     Glu Glu Cys Glu Arg Ala Val Ile Asp Phe Val Ala Phe Gln Asp Ile
134         210         215         220
135     Ser Ile Lys Arg Leu Gln Arg Leu Leu Gln Ala Leu Glu Ala Pro Glu
136         225         230         235         240
137     Gly Trp Gly Pro Thr Pro Arg Ala Gly Arg Ala Ala Leu Gln Leu Lys
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157      Ser Leu Leu Cys Leu Val Leu Ala Leu Pro Ala Leu Leu Pro Val Pro
158      10               15               20               25
159      gct gta cgc gga gtg gca gaa aca ccc acc tac ccc tgg cgg gac gca      147
160      Ala Val Arg Gly Val Ala Glu Thr Pro Thr Tyr Pro Trp Arg Asp Ala
161      30               35               40
162      gag aca ggg gag cgg ctg gtg tgc gcc cag tgc ccc cca ggc acc ttt      195
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165      gtg cag cgg ccg tgc cgc cga gac agc ccc acg acg tgt ggc ccg tgt      243
166      Val Gln Arg Pro Cys Arg Arg Asp Ser Pro Thr Thr Cys Gly Pro Cys
167      60               65               70
168      cca ccg cgc cac tac acg cag ttc tgg aac tac ctg gag cgc tgc cgc      291
169      Pro Pro Arg His Tyr Thr Gln Phe Trp Asn Tyr Leu Glu Arg Cys Arg
170      75               80               85
171      tac tgc aac gtc ctc tgc ggg gag cgt gag gag gag gca cgg gct tgc      339
172      Tyr Cys Asn Val Leu Cys Gly Glu Arg Glu Glu Glu Ala Arg Ala Cys
173      90               95               100               105
174      cac gcc acc cac aac cgt gcc tgc cgc tgc cgc acc ggc ttc ttc gcg      387
175      His Ala Thr His Asn Arg Ala Cys Arg Cys Arg Thr Gly Phe Phe Ala
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186      ccc cac cgc aac tgc acg gcc ctg ggc ctg gcc ctc att gtg cca ggc      579
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190      Ser Ser Ser His Asp Thr Leu Cys Thr Ser Cys Thr Gly Phe Pro Leu
191      190               195               200
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193      Ser Thr Arg Val Pro Gly Ala Glu Glu Cys Glu Arg Ala Val Ile Asp
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199      Gln Ala Leu Glu Ala Pro Glu Gly Trp Ala Pro Thr Pro Arg Ala Gly
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202      Arg Ala Ala Leu Gln Leu Lys Leu Arg Arg Arg Leu Thr Glu Leu Leu
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228      Phe Trp Asn Tyr Leu Glu Arg Cys Arg Tyr Cys Asn Val Leu Cys Gly
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230      Glu Arg Glu Glu Glu Ala Arg Ala Cys His Ala Thr His Asn Arg Ala
231              100              105              110
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233              115              120              125
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240      Leu Gly Leu Ala Leu Ile Val Pro Gly Ser Ser Ser His Asp Thr Leu
241              180              185              190
242      Cys Thr Ser Cys Thr Gly Phe Pro Leu Ser Thr Arg Val Pro Gly Ala
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